AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

Listing of Claims:

1. (Currently Amended) A ~~communication~~ method ~~for communication between a first network unit inside a vehicle and a second network unit of a terrestrial mobile communication system, wherein said communication is directed via a satellite, characterized in that the method comprises~~ comprising:

[[-]] establishing ~~the~~ a satellite connection via a satellite when information transfer between ~~the~~ a first network unit and ~~the~~ a second network unit is required,

[[-]] releasing to a released state the satellite connection when information transfer between the first network unit and the second network unit is not required, and

[[-]] emulating, without the information transfer between the first network unit and the second network unit, signalling of the second network unit ~~for~~ to the first network unit during ~~a~~ the released state of the satellite connection~~, and~~

~~[[-]] emulating signalling of the first network unit for the second network unit during the released state of the satellite connection~~.

2. (Currently Amended) A ~~communication~~ method according to claim 1, ~~characterized in that~~ wherein said signalling is LAPD link and Abis signalling.

3. (Currently Amended) A ~~communication~~ method according to claim 1, ~~characterized in that~~ wherein said emulating signalling of the second network unit comprises transferring state messages with the first network unit.

4. (Cancelled) ~~A communication method according to claim 1, characterized in that said emulating signalling of the first network unit comprises transferring state messages with the second network unit.~~

5. (Currently Amended) A ~~communication~~ method according to claim 2, ~~characterized in that during the on-state of the satellite connection~~ wherein capacity is reserved dynamically for ~~the~~ an Abis link during an on-state of the satellite connection, the capacity being reserved based on ~~the~~ a data transfer requirement.

6. (Currently Amended) A ~~communication~~ method according to claim 1, ~~characterized in that~~ comprising transferring ~~additional data according to~~ Internet Protocol (IP) data ~~is transferred~~ between the first network unit and Internet via the satellite~~, wherein the~~ where communication between the first network unit and the second network unit is prioritized higher in the satellite ~~communication~~ connection than the IP data ~~transferred~~ transfer between the first network unit and the Internet.

7. (Currently Amended) A ~~communication~~ method according to ~~claim 5~~ claim 1,~~characterized in that the~~ wherein the information transfer ~~data transferred~~ between the first network unit and the second network unit is transferred as Internet Protocol (IP) packet data ~~according to Internet Protocol~~.

8. (Currently Amended) A ~~communication~~ method according to claim 1, wherein the first network unit is located in ~~the vehicle is~~ an aircraft, and ~~characterized in that~~ the method further comprises receiving flight status information from ~~the~~ avionics of the aircraft for controlling the first network unit.

9. (Currently Amended) A ~~communication~~ method according to claim 8, ~~characterized in that said~~ wherein on the basis of the received flight status information communications between the first network unit and mobile stations inside the aircraft are barred while keeping mobile

stations camped to the first network unit.

10. (Currently Amended) A ~~communication~~ method according to claim 8, ~~characterized in that~~ wherein the flight status information comprises at least one of the following information: flight altitude, position and heading, doors open/closed, activate/deactivate mobile communications.

11. (Currently Amended) A ~~communication~~ method according to claim 1, ~~characterized in that~~ the method ~~comprises steps for~~ comprising:

[[-]] receiving communication information on another satellite and another second network unit,

[[-]] establishing communications between the first network unit and the other second network unit via the other satellite on the basis of the received communication information, and

[[-]] releasing ~~the~~ communication between the first network unit and the second network unit via the satellite.

12. (Currently Amended) A ~~communication~~ method according to claim 1, ~~characterized in that~~ wherein the information transfer is compliant with at least one of the following communication specifications: GSM (Global System for Mobile communications), PCN (Personal Communication Network), PCS (Personal Communication System), HSCSD (High Speed Circuit Switched Data), GPRS (General Packet Radio Service), EDGE (Enhanced Data rates for GSM Evolution), CDMA (Code Division Multiple Access), WCDMA (Wide band CDMA), Bluetooth, UMTS (Universal Mobile Telecommunications System), Teldesic, Iridium, Inmarsat and WLAN (Wireless Local Area Network).

13. (Currently Amended) A ~~communication~~ method according to claim 1, ~~characterized in~~

~~that~~ wherein a wireless connection between ~~the~~ a mobile terminal and the first network ~~device~~ unit is established by a wireless network ~~inside the vehicle~~.

14. (Currently Amended) A communication arrangement comprising:

~~a first network unit for wireless communication with mobile stations inside a vehicle and~~

~~a fixed second network unit of a terrestrial mobile communication system, the system comprising means for communicating between the first network unit and the second network unit via a satellite, characterized in that the arrangement further comprises~~

[[-]] ~~means for establishing~~ ~~the~~ a first circuit configured to establish a satellite connection via a satellite as a response to a situation in which ~~when~~ information transfer between ~~the~~ a first network unit and ~~the~~ a second network unit is required,

[[-]] ~~means for releasing~~ a second circuit configured to release to a released state the satellite connection as a response to a situation in which ~~when~~ information transfer between the first network unit and the second network unit is not required, and

[[-]] ~~means for emulating~~ a third circuit configured to emulate, without the information transfer between the first network unit and the second network unit, signalling of the second network unit ~~for~~ to the first network unit during ~~a~~ the released state of the satellite connection~~, and~~

~~[[-]] means for emulating signalling of the first network unit for the second network unit during the released state of the satellite connection~~.

15. (Currently Amended) A communication arrangement according to claim 14, ~~characterized in that~~ wherein said signalling is LAPD link and Abis signalling.

16. (Currently Amended) A communication arrangement according to claim 14, ~~characterized in that~~ wherein said ~~means emulating~~ circuit configured to emulate signalling of the second network unit comprises ~~means for transferring~~ a circuit configured to transfer state messages with the first network unit.

17. (Currently Amended) A communication arrangement according to claim 14, ~~characterized in that~~ wherein said ~~means for emulating~~ circuit configure to emulate signalling of the ~~base station~~ second network unit comprises ~~means for transferring~~ a circuit configured to transfer state messages with ~~the~~ a base station controller.

18. (Currently Amended) A communication arrangement according to claim 15, ~~characterized in said means for emulating are~~ wherein said circuit configured to emulate signaling is arranged to reserve capacity ~~during the on state of the satellite connection~~ dynamically for ~~the~~ an Abis link during an on-state of the satellite connection, the capacity being reserved, based on ~~the~~ a data transfer requirement.

19. (Currently Amended) A communication arrangement according to claim 14, ~~characterized in that it comprises means for transferring~~ comprising a fourth circuit configured to transfer ~~additional data according to~~ Internet Protocol (IP) data between the first network unit and Internet via the satellite~~, wherein the~~ where communication between the first network unit and the second network unit is prioritized higher in the satellite ~~communication~~ connection than the IP data ~~transferred~~ transfer between the first network unit and the Internet.

20. (Currently Amended) A communication arrangement according to ~~claim 19~~ claim 14, ~~characterized in that it comprises means for transferring~~ comprising a fifth circuit configured to transfer data between the first network unit and the second network unit as Internet Protocol (IP) packet data ~~according to Internet Protocol~~.

21. (Currently Amended) A communication arrangement according to ~~claim 12~~ claim 14, ~~characterized in that~~ wherein the first network unit is located in ~~the vehicle is~~ an aircraft.

22. (Currently Amended) A communication arrangement according to claim 21, ~~characterized in that it comprises means for receiving~~ comprising a fourth circuit configured to receive flight status information from the aircraft for controlling the first network unit.

23. (Currently Amended) A communication arrangement according to claim 22, ~~characterized in that the arrangement comprises means for barring~~ wherein the circuit is further configured to bar communications between the first network unit and mobile stations inside the aircraft on the basis of the received flight status information~~,~~ and ~~means for keeping~~ keep the mobile stations camped to the first network unit during the barred state.

24. (Currently Amended) A communication arrangement according to claim 22, ~~characterized in that~~ wherein the flight status information comprises at least one of the following information: flight altitude, position and heading, doors open/closed, activate/deactivate mobile communications.

25. (Currently Amended) A communication arrangement according to claim 14, ~~characterized in that the arrangement comprises~~ further comprising: ~~means for receiving~~ a fourth circuit configured to receive communication information on another satellite and another second network unit, ~~means for establishing~~ a fifth circuit configured to establish communications between the first network unit and the other second network unit via the other satellite on the basis of the received communication information, and ~~means for releasing~~ a sixth circuit configured to release ~~the~~ communication between the first network unit and the second network unit via the satellite.

26. (Currently Amended) A communication arrangement according to claim 14, ~~characterized in that~~ wherein the information transfer is compliant with at least one of the following communication specifications: GSM (Global System for Mobile communications), PCN (Personal Communication Network), PCS (Personal Communication System), HSCSD (High Speed Circuit Switched Data), GPRS (General Packet Radio Service), EDGE (Enhanced Data

rates for GSM Evolution), CDMA (Code Division Multiple Access), WCDMA (Wide band CDMA), Bluetooth, UMTS (Universal Mobile Telecommunications System), Teldesic, Iridium, Inmarsat and WLAN (Wireless Local Area Network).

27. (Currently Amended) A communication arrangement according to claim 14, ~~characterized in that~~ wherein the first network unit is a base transceiver station and the second network unit is a base station controller.

28. (Currently Amended) A communication arrangement according to claim 14, ~~characterized in that~~ wherein the first network unit is inside a vehicle and connected to ~~it comprises~~ a wireless network including mobile terminals inside the vehicle ~~for wireless connection between a mobile terminal and the first network device~~.

29. (Currently Amended) A first network unit ~~arrangement for wireless communication with mobile stations inside a vehicle and a fixed second network unit of a terrestrial mobile communications system, the first network unit~~ comprising:
~~means for communicating~~ a first circuit configured to communicate information with a second network unit via a satellite, and

~~characterised in that the arrangement comprises means for emulating~~ a second circuit configured to emulate, without the communication between the first network and the second network unit, signalling of the second network unit ~~for~~ to the first network unit during periods when there is no communication via the satellite between the first network unit and the second network unit.

30. (Currently Amended) A first network unit ~~arrangement~~ according to claim 29, ~~characterized in that~~ wherein said signalling is LAPD link and Abis signalling.

31. (Currently Amended) A first network unit ~~arrangement~~ according to claim 29, ~~characterized in that~~ wherein the first network unit is a base transceiver station and the second

network unit is a base station controller.

32. (Currently Amended) A first network unit ~~arrangement~~ according to ~~claim 29~~ claim 30, ~~characterized in said means for emulating~~ wherein said circuit configured to emulate signalling is further ~~are arranged~~ configured to reserve capacity ~~during the on state of the satellite connection~~ dynamically for ~~the~~ an Abis link during an on-state of a satellite connection, the capacity being reserved based on a requirement for information transfer between the first network unit and the second network unit~~, based on the data transfer requirement~~.

33. (Currently Amended) A first network unit ~~arrangement~~ according to claim 29, ~~characterized in that it is located~~ embodied in a moving vehicle~~, such as aircraft~~.

34. (Currently Amended) A first network unit ~~arrangement~~ according to claim 33, ~~characterized in that it comprises~~ comprising:

~~means for receiving~~ a third circuit configured to receive communication information on another satellite and another second network unit,

~~means for establishing~~ a fourth circuit configured to establish communications between the first network unit and the ~~other~~ another second network unit via the ~~other~~ another satellite on the basis of the received communication information, and

~~means for releasing~~ a fifth circuit configured to release ~~the~~ communication between the first network unit and the second network unit via the satellite.

35. (Currently Amended) A first network unit ~~arrangement~~ according to claim 33, ~~characterized in that~~ wherein the moving vehicle is an aircraft ~~that~~ and the first network unit ~~arrangement~~ further comprises ~~means for receiving~~ a circuit configured to receive flight status information from the aircraft ~~for controlling~~ in order to control the first network unit.

36. (Currently Amended) A first network unit ~~arrangement~~ according to claim 35, ~~characterized in that the arrangement comprises means for barring~~ further comprising a circuit configured to bar communications between the first network unit and mobile stations inside the aircraft on the basis of the received flight status information~~,~~ and ~~means for keeping~~ keep ~~the~~ mobile stations camped to the first network unit during the barred state.

37. (Currently Amended) A ~~communication arrangement~~ first network unit according to claim 35, ~~characterized in that~~ wherein the flight status information comprises at least one of ~~the following information~~: flight altitude, position and heading, doors open/closed, activate/deactivate mobile communications.

38. (Currently Amended) A first network unit ~~arrangement~~ according to claim 29, ~~characterized in that~~ wherein the first network unit is a base station controller ~~and the second network unit is~~ capable of communicating with a base transceiver station via the satellite.

39. (New) A communication arrangement comprising:

a first network unit for wireless communication with mobile stations inside a vehicle,

a second network unit of a terrestrial mobile communication system, the terrestrial mobile communication system comprising means for communicating between the first network unit and the second network unit via a satellite,

means for establishing a satellite connection as a response to a situation in which information transfer between the first network unit and the second network unit is required,
means for releasing the satellite connection as a response to a situation in which information transfer between the first network unit and the second network unit is not required,

means for emulating, without communication between the first network unit and the second

network unit, signalling of the second network unit to the first network unit during a released state of the satellite connection, and

means for emulating, without communication between the first network unit and the second network unit, signalling of the first network unit for the second network unit during the released state of the satellite connection.

40. (New) A computer readable medium storing a computer program, executable by a processor to perform actions comprising:

establishing a satellite connection via a satellite when information transfer between a first network unit and a second network unit is required,

releasing to a released state the satellite connection when information transfer between the first network unit and the second network unit is not required, and

emulating, without the information transfer between the first network unit and the second network unit, signalling of the second network unit to the first network unit during the released state of the satellite connection.

41. (New) An apparatus, comprising:

a transceiver configured to establish a satellite connection via a satellite when information transfer between a first network unit and a second network unit is required,

the transceiver configured to release to a released state the satellite connection when information transfer between the first network unit and the second network unit is not required, and

an emulator coupled to the transceiver configured to emulate, without the information transfer

between the first network unit and the second network unit, signalling of the second network unit to the first network unit during the released state of the satellite connection.

42. (New) The apparatus of claim 41, wherein said signalling is LAPD link and Abis signalling.

43. (New) The apparatus of claim 41, wherein said emulating signalling of the second network unit includes transferring state messages with the first network unit.

44. (New) The apparatus according to claim 41, wherein said signalling is LAPD link and Abis signalling.

45. (New) The apparatus according to claim 41, wherein said emulating signalling of the second network unit comprises transferring state messages with the first network unit.

46. (New) The apparatus of claim 41, wherein capacity is reserved dynamically for an Abis link during an on-state of the satellite connection, the capacity being reserved based on a data transfer requirement.